WHAT IS CLAIMED IS:

1. A mechanism for quickly removing an electronic device from a PC having a smaller case, comprising:

a slot in the PC, the slot comprising one or more recesses at either side, a front opening, and a latch at a corner adjacent the front side;

a tray adapted to insert into the slot through the front opening, the tray being shaped as an inverted U so as to receive the electronic device by inserting the electronic device through an opening thereof, the tray comprising a snapping surface on either side, one or more snapping members on either snapping surface, and a handle at a front side between the snapping surfaces, the handle being operative to hold for removing the tray from the slot or installing the same therein wherein the one or more snapping members are adapted to allow the tray to insert into the slot by sliding into the one or more recesses on the slot; and

an elongated gate comprising a top plate having a pivot shaft at one end, a first clinging member at the other end wherein the pivot shaft is pivotably provided in a pivot hole at a front side of the slot, the pivot shaft of the gate is adapted to pivot about the pivot hole in opening or closing the gate, and the first clinging member is snapped into the latch of the slot when the gate is closed.

2. The mechanism of claim 1, wherein the recess is formed by providing an opening at a top portion of the side, the opening of the recess being extended downward, rearward at the same side.

3. The mechanism of claim 2, wherein the number of the recesses is four with two of them being at one side of the slot and the other two of them being at the other side of the slot.

4. The mechanism of claim 1, further comprising a second clinging member at the other end of the gate adjacent the first clinging member wherein the first

and the second clinging members of the gate are urged against the latch of the slot and the cavity of the tray adjacent the handle respectively when the gate is closed, thereby securely fastening the tray in the slot.

5. The mechanism of claim 1, further comprising a resilient latch member at one side of the pivot shaft of the gate, a first hole at one side of the pivot hole, and a second hole at the other side of the pivot hole wherein a distance from the first hole to the pivot hole is the same as that from the second hole to the pivot hole so that two sides of the resilient latch member are adapted to snap into the first and the second holes respectively for positioning.

6. The mechanism of claim 1, further comprising one or more inverted L-shaped conductive members at a junction of either snapping surface and a top of the tray wherein the junction of either snapping surface is perpendicular to the top of the tray, and the conductive members at the junction of either snapping surface and the top of the tray makes it possible of being electrically grounded with respect to a cover of the PC, one side of the tray, and the electronic device within the tray.